



Product: <u>83264</u> ☑

Mil-Spec Coax, 75 Ohm, RG-179, 30 AWG Str SCCS, 95% SC Braid, FEP Jkt, Commercial Non-QPL

# **Product Description**

Mil-Spec Coax, 75 Ohm, RG-179, 30 AWG (7x38) Silvered Copper Covered Steel Conductor, PTFE Insulation, 95% Silvered Copper Braid Shield, FEP Jacket, Commercial, non-QPL

# **Technical Specifications**

Produ	ct Overview		
Suitable	Applications:	Aerospa	ce, analog video
Const	ruction Detail	S	
RG Typ	e:	179	
Conduct	tor		
Size	Stranding Nor		Ma
30 AWG	G 7x38 0.01	2 in SCC	CS - Silvered C
nsulatio	on		
	Material	Nom. Insula	ation Diamet
PTFE -	Polytetrafluoroethy	lene 0.063 in (1.6	6 mm)
Outer Sh	nield		
Layer	Outer Shield Type	Material	Covera
1	Braid	Silvered Copper	(SC) 95%
Outer Ja	acket		
	Material	No	n. Diameter
FEP - F	luorinated Ethylene	Propylene 0.100	) in (2.54 mm)

# **Electrical Characteristics**

Overall Cable Diameter (Nominal): 0.100 in (2.54 mm)

# Attenuation

Frequency	Nom. Attenuation
1 MHz	3.0 dB/100ft
10 MHz	5.3 dB/100ft
50 MHz	8.5 dB/100ft
100 MHz	10.0 dB/100ft
200 MHz	12.5 dB/100ft
400 MHz	16.0 dB/100ft
700 MHz	19.7 dB/100ft
900 MHz	22.3 dB/100ft
1000 MHz	24.0 dB/100ft

## Power Rating

Frequency	Max. Power Rating		
50 MHz	1,250 W		
100 MHz	865 W		

200 MHz	599 W
400 MHz	415 W
700 MHz	308 W
900 MHz	270 W
1,000 MHz	255 W

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
232 Ohm/1000ft (761 Ohm/km)	8.5 Ohm/1000ft (28 Ohm/km)	19.5 pF/ft (64.0 pF/m)	75 Ohm	70%

#### Voltage

Voltage Rating 900 V (Mil-Spec)

# **Mechanical Characteristics**

## Temperature

Operating
-70°C to +200°C

## Bend Radius

1 in (25 mm)

Max. Pull Tension: 17 lbs (7.7 kg)

Bulk Cable Weight: 10 lbs/1000ft

## **Standards and Compliance**

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Aerial - When supported by messenger wire
Sustainability:	CA Prop 65
Military Compliance:	Commercial, non-QPL product (M17/94-RG179)
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

#### **History**

Update and Revision: Revision Number: 0.505 Revision Date: 09-07-2025

# **Part Numbers**

#### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
83264 001100	Brown	Reel	100 ft	612825203667	E
83264 001500	Brown	Reel	500 ft	612825203681	E
83264 0011000	Brown	Reel	1,000 ft	612825203674	CE

Footnote: E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25"., C - CRATE REEL PUT-UP.

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